

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX032118\
 Data File : VX000382.D
 Acq On : 21 Mar 2018 13:56
 Operator : JC/MD
 Sample : J1995-08 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PIT-A-0-10

Quant Time: Mar 22 05:28:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	109357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	185230	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	180406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	87292	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	77031	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
35) Dibromofluoromethane	5.52	113	59798	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	8.73	98	231979	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.15	95	77968	39.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.26%	

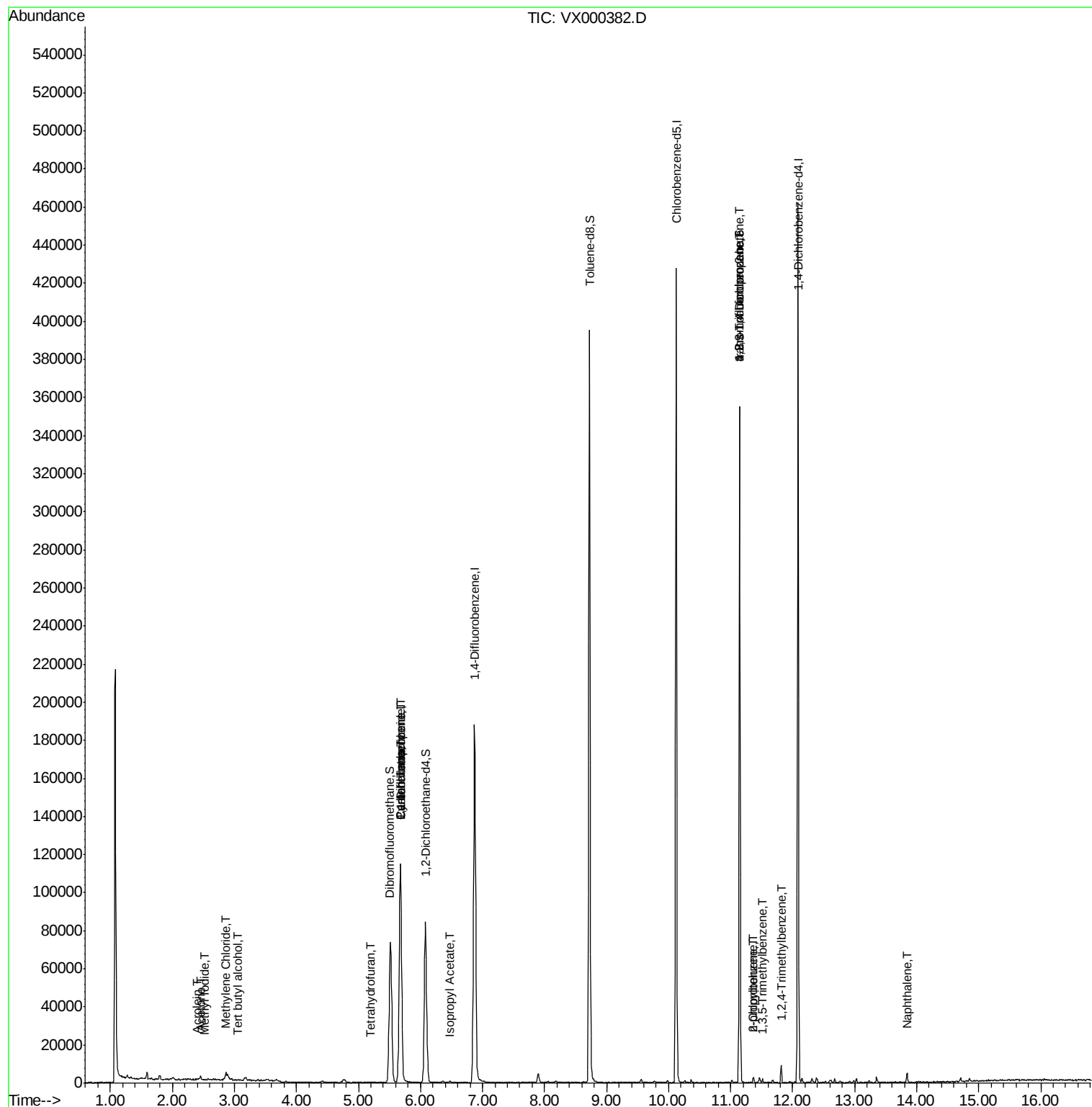
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	273	Below Cal	#	44
10) Methyl Iodide	2.51	142	22	4.29	ug/l #	45
11) Tert butyl alcohol	3.04	59	123	0.25	ug/l #	72
13) Acrolein	2.40	56	41	14.82	ug/l #	57
14) Allyl chloride	2.74	41	180	Below Cal	#	42
16) Acetone	2.45	43	2017	1.70	ug/l #	72
20) Methylene Chloride	2.87	84	1221	0.89	ug/l #	76
29) Tetrahydrofuran	5.19	42	175	0.21	ug/l #	31
31) Cyclohexane	5.68	56	2628	1.46	ug/l #	52
36) 1,1-Dichloropropene	5.68	75	8620	4.97	ug/l #	50
38) Carbon Tetrachloride	5.68	117	10747	5.90	ug/l #	17
43) Isopropyl Acetate	6.48	43	895	0.25	ug/l #	79
74) N-amyl acetate	6.48	43	895	Below Cal	#	90
76) 1,2,3-Trichloropropane	11.15	75	45662	24.34	ug/l #	35
78) n-propylbenzene	11.37	91	2133	0.31	ug/l	98
79) 2-Chlorotoluene	11.37	91	2133	0.54	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	1060	0.22	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.15	75	45662	78.80	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.81	105	4421	0.87	ug/l	91
95) Naphthalene	13.85	128	3218	0.45	ug/l	99

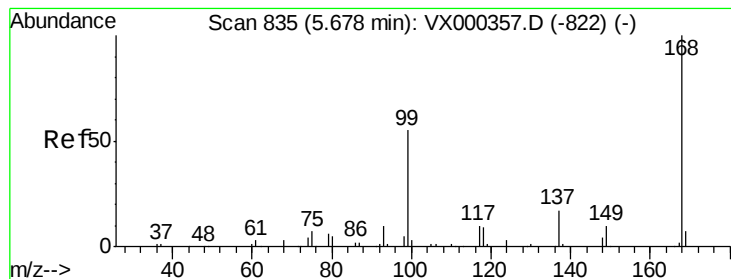
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampled :

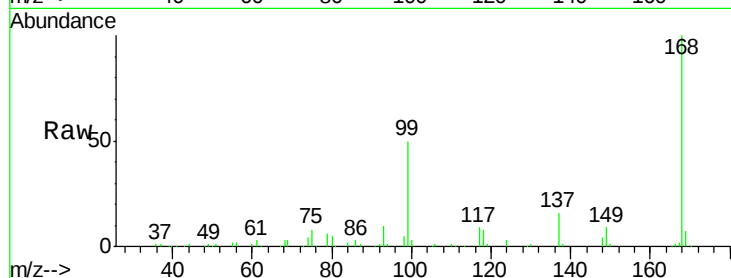
PIT-A-0-10

Tgt Ion: 168 Resp: 109357

Ion Ratio Lower Upper

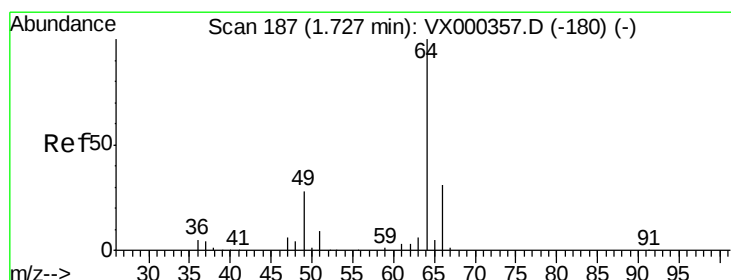
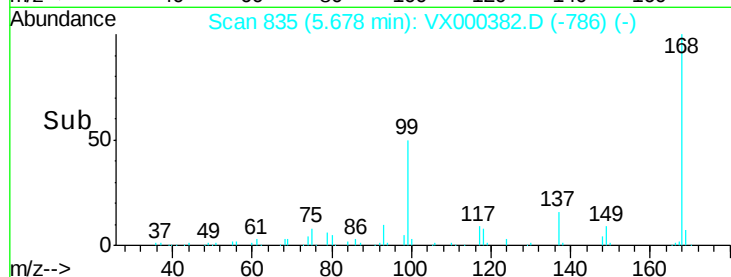
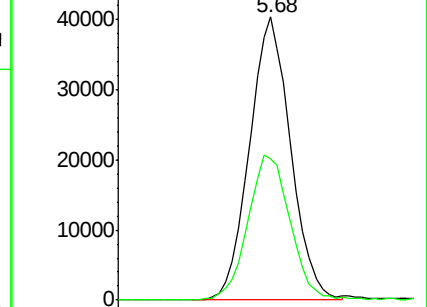
168 100

99 49.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 190

Delta R.T. 0.02 min

Lab File: VX000382.D

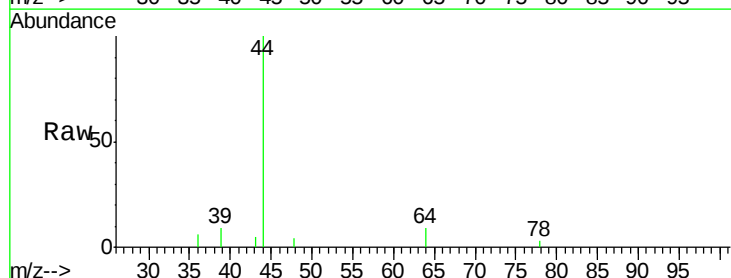
Acq: 21 Mar 2018 13:56

Tgt Ion: 64 Resp: 273

Ion Ratio Lower Upper

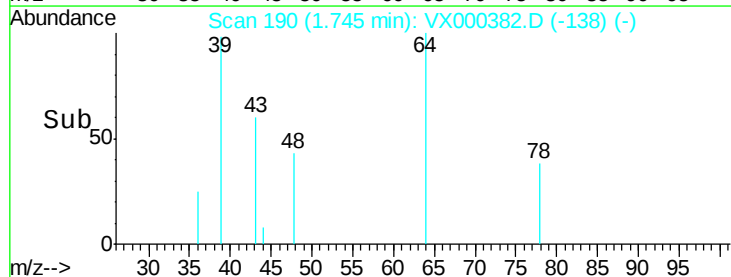
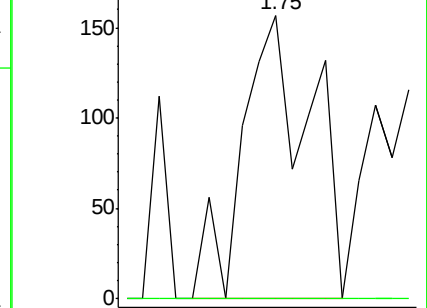
64 100

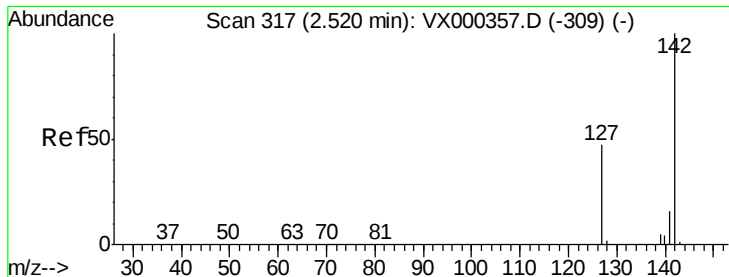
66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

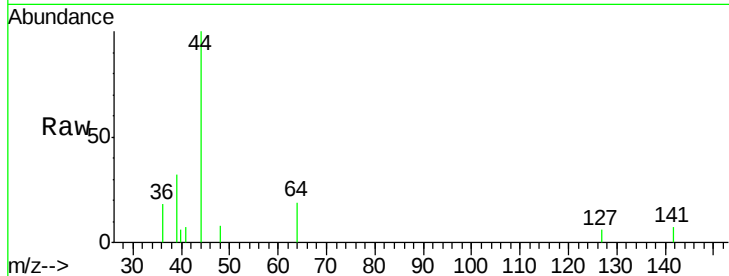




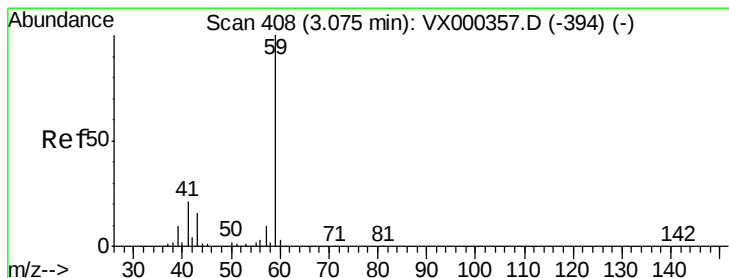
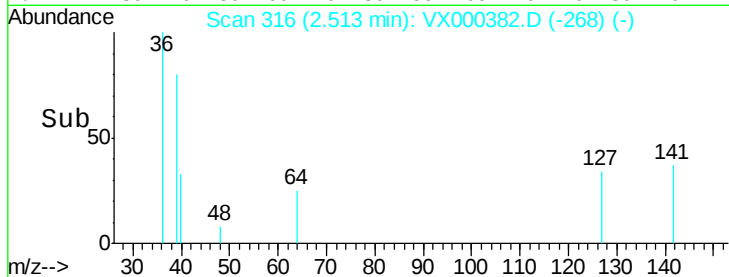
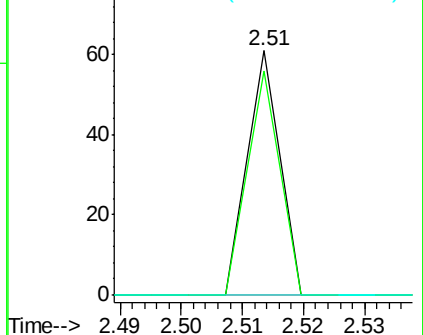
#10
Methyl Iodide
Concen: 4.29 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000382.D
Acq: 21 Mar 2018 13:56

Instrument :
MSVOA_X
ClientSampleId :
PIT-A-0-10

Tgt Ion: 142 Resp: 22
Ion Ratio Lower Upper
142 100
127 90.9 39.2 58.8#
141 0.0 11.7 17.5#

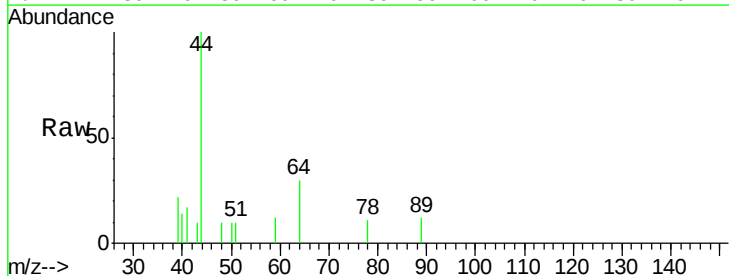


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

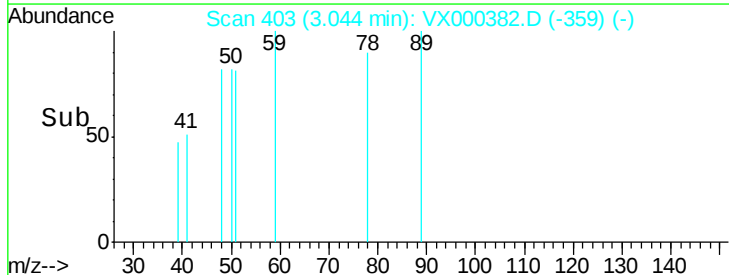
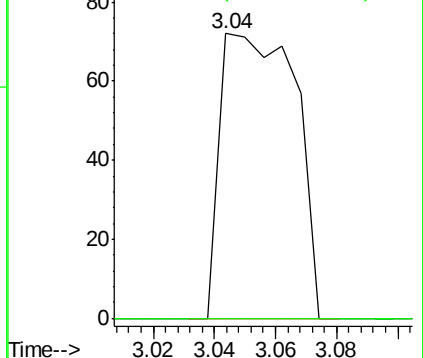


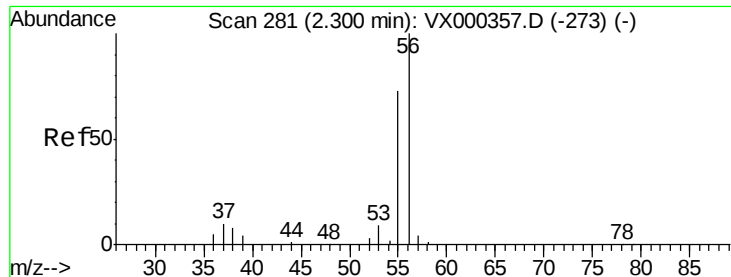
#11
Tert butyl alcohol
Concen: 0.25 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.03 min
Lab File: VX000382.D
Acq: 21 Mar 2018 13:56

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.82 ug/l

RT: 2.40 min Scan# 298

Delta R.T. 0.10 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampled :

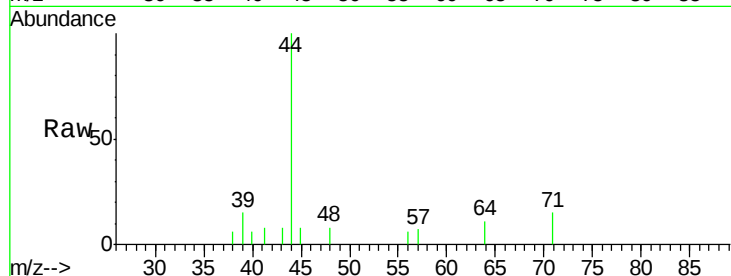
PIT-A-0-10

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

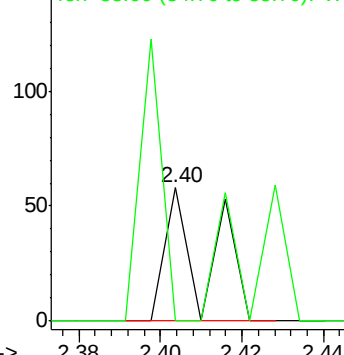
56 100

55 109.8 58.8 88.2#

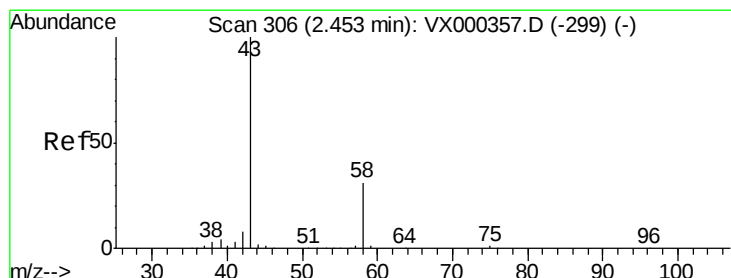
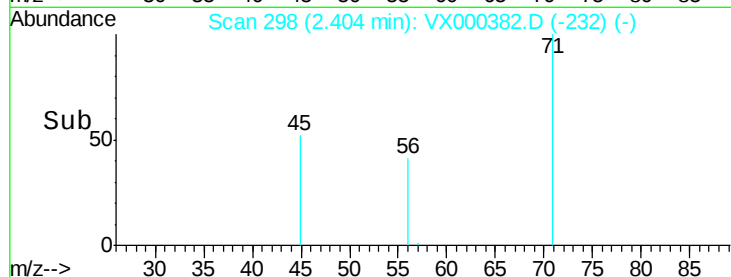


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time--> 2.38 2.40 2.42 2.44



#16

Acetone

Concen: 1.70 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000382.D

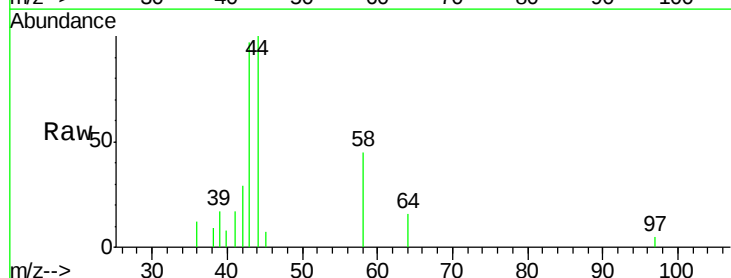
Acq: 21 Mar 2018 13:56

Tgt Ion: 43 Resp: 2017

Ion Ratio Lower Upper

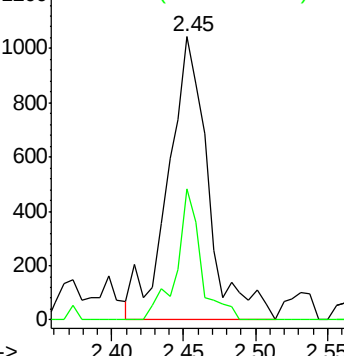
43 100

58 46.3 24.7 37.1#

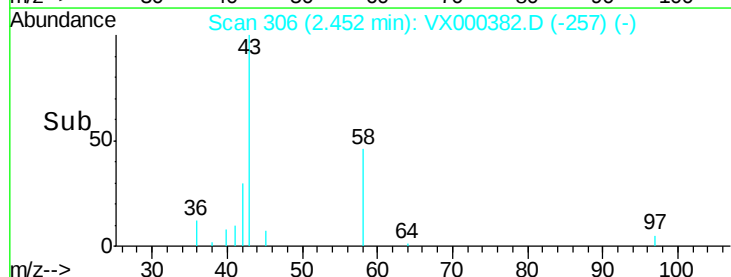


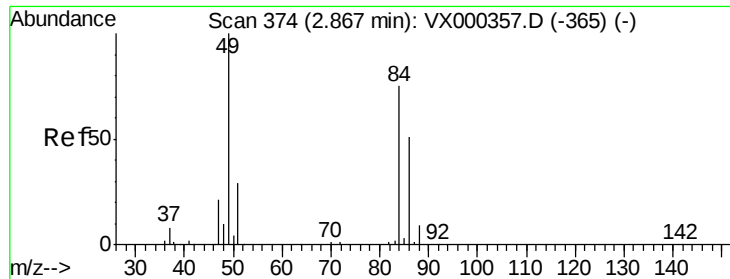
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 2.40 2.45 2.50 2.55

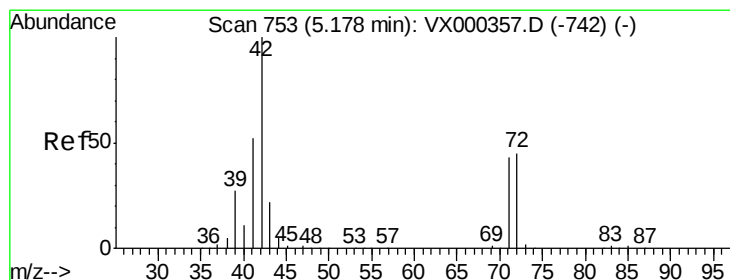
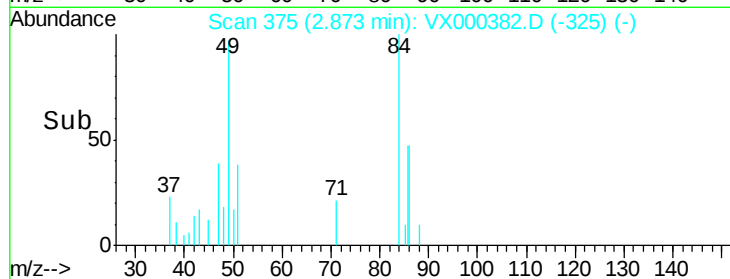
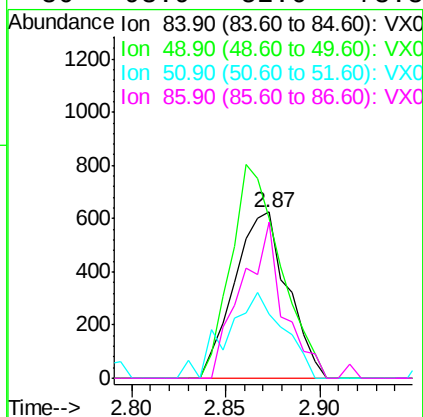
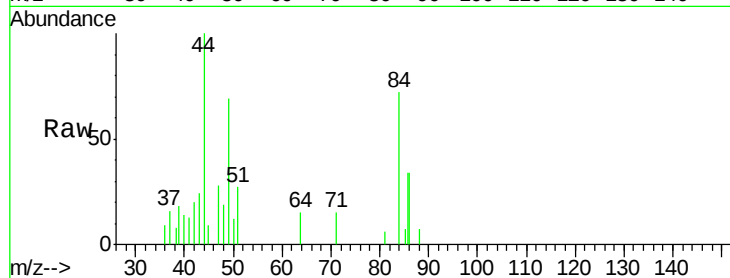




#20
Methylene Chloride
Concen: 0.89 ug/l
RT: 2.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VX000382.D
Acq: 21 Mar 2018 13:56

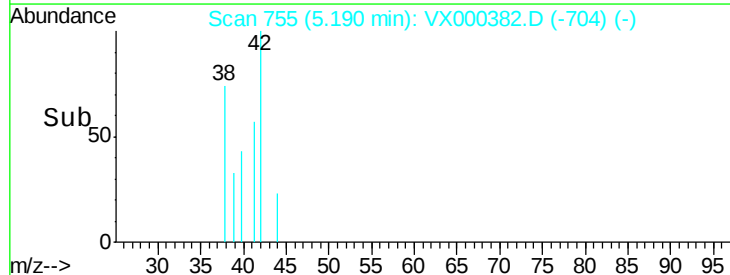
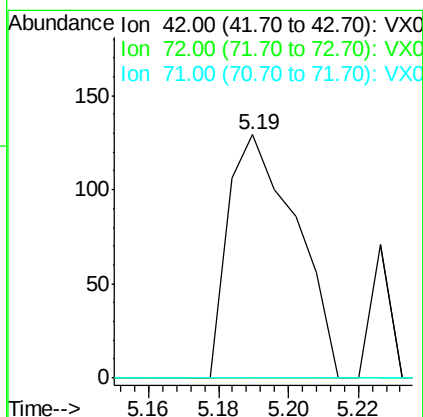
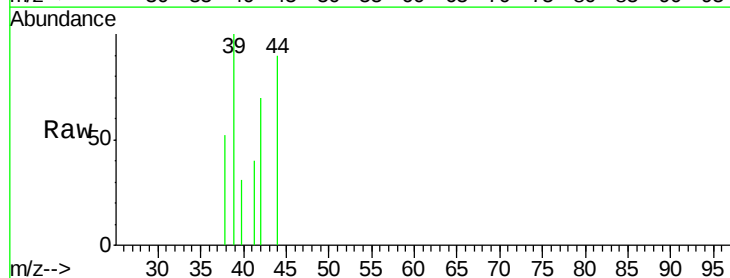
Instrument :
MSVOA_X
ClientSampled :
PIT-A-0-10

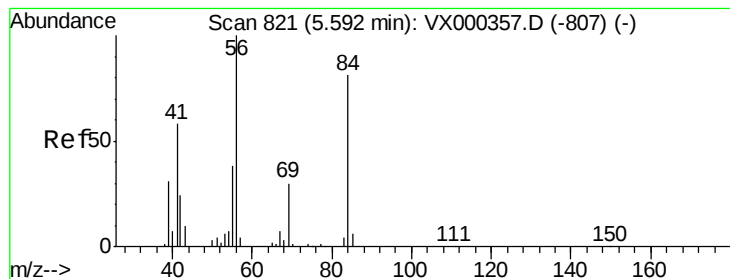
Tgt Ion: 84 Resp: 1221
Ion Ratio Lower Upper
84 100
49 96.8 100.6 151.0#
51 38.3 31.6 47.4
86 93.9 52.6 78.8#



#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000382.D
Acq: 21 Mar 2018 13:56

Tgt Ion: 42 Resp: 175
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 34.4 51.6#





#31

Cyclohexane

Concen: 1.46 ug/l

RT: 5.68 min Scan# 836

Delta R.T. 0.09 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

PIT-A-0-10

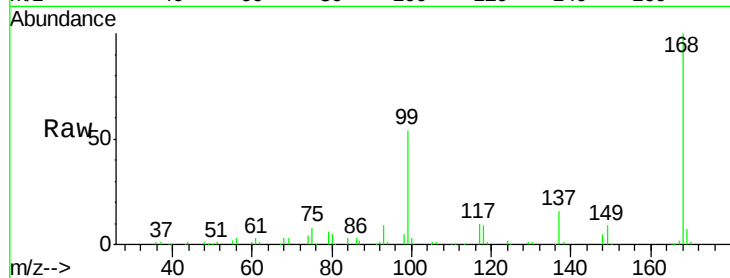
Tgt Ion: 56 Resp: 2628

Ion Ratio Lower Upper

56 100

69 114.3 23.4 35.0#

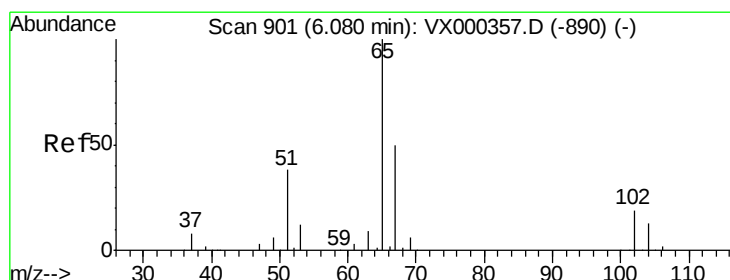
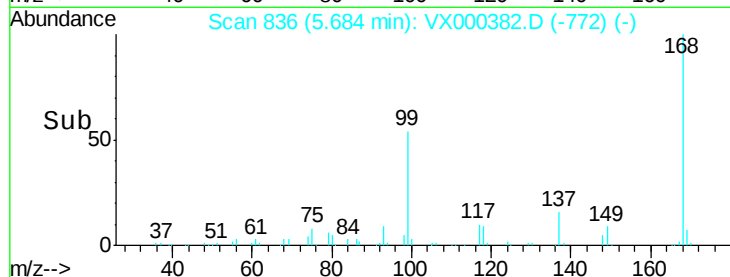
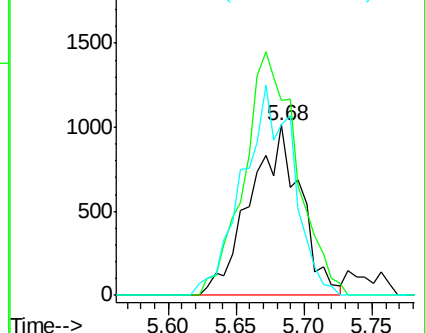
84 100.0 71.0 106.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.96 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000382.D

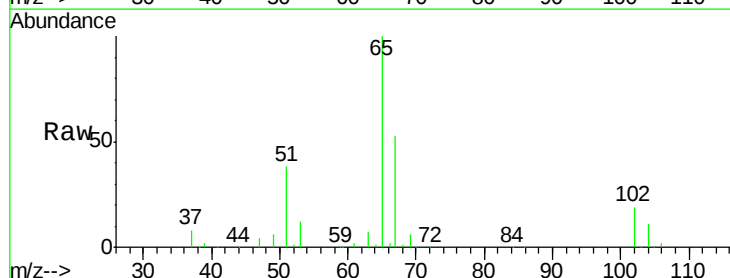
Acq: 21 Mar 2018 13:56

Tgt Ion: 65 Resp: 77031

Ion Ratio Lower Upper

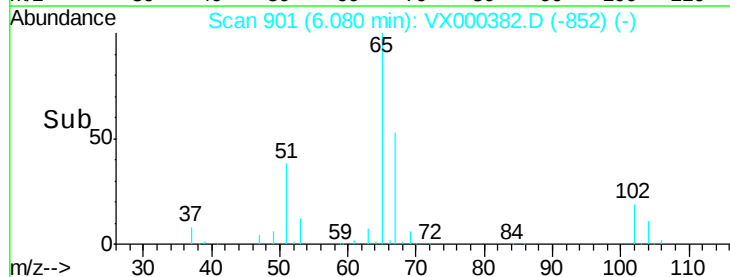
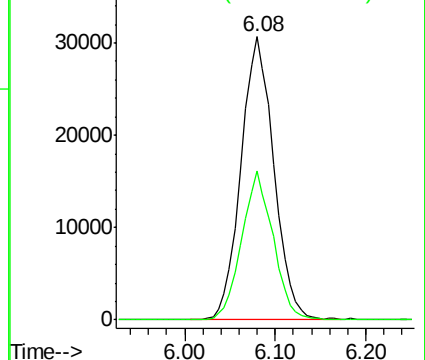
65 100

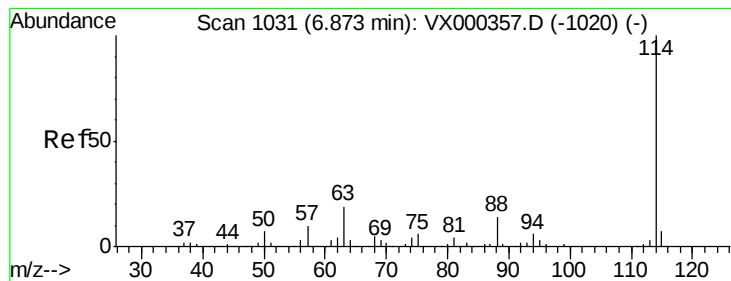
67 50.3 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

PIT-A-0-10

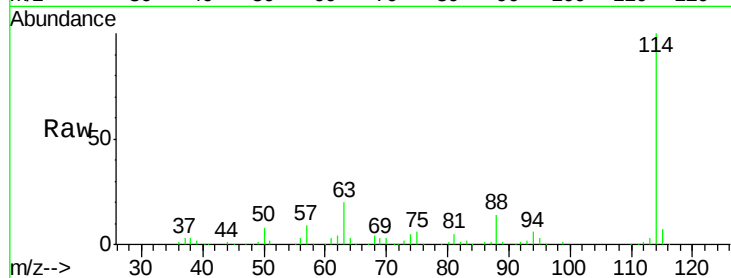
Tgt Ion:114 Resp: 185230

Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.4

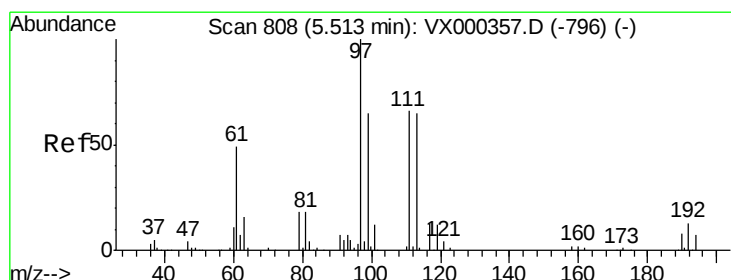
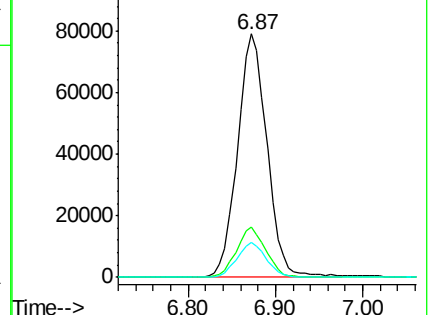
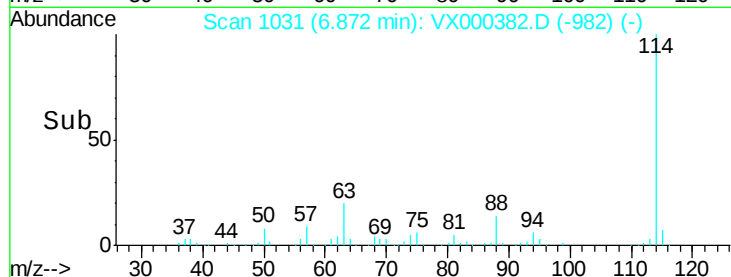
88 14.3 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.24 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

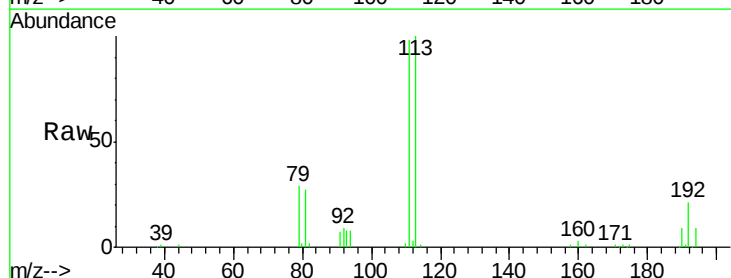
Tgt Ion:113 Resp: 59798

Ion Ratio Lower Upper

113 100

111 100.0 82.4 123.6

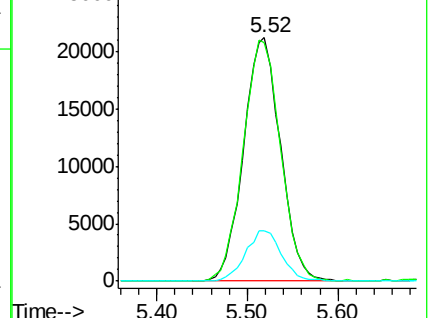
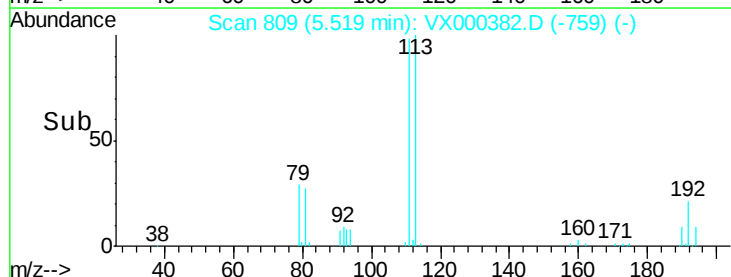
192 20.1 15.8 23.6

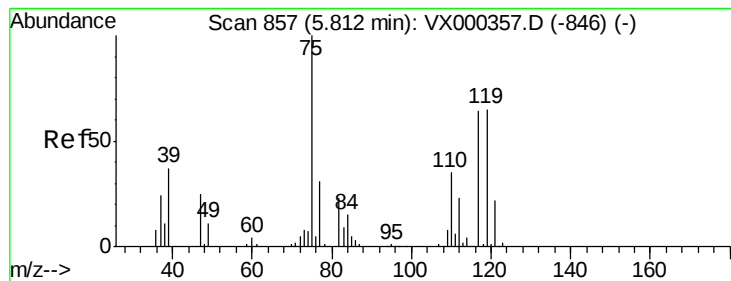


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.97 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

PIT-A-0-10

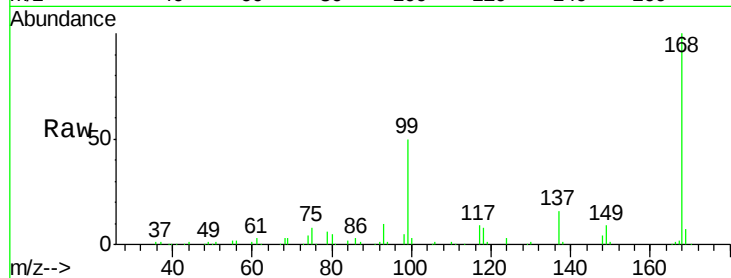
Tgt Ion: 75 Resp: 8620

Ion Ratio Lower Upper

75 100

110 9.3 17.9 53.7#

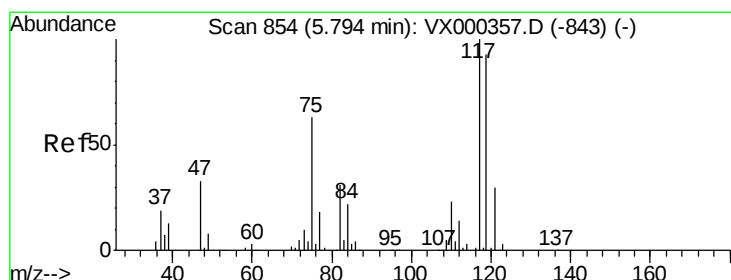
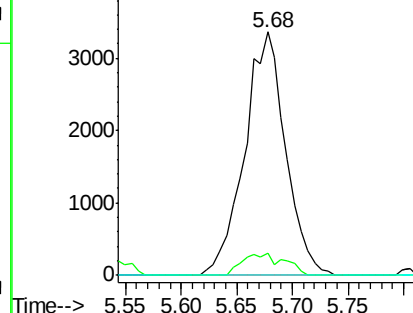
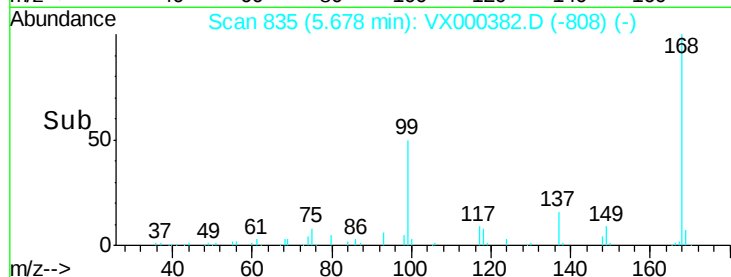
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.90 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

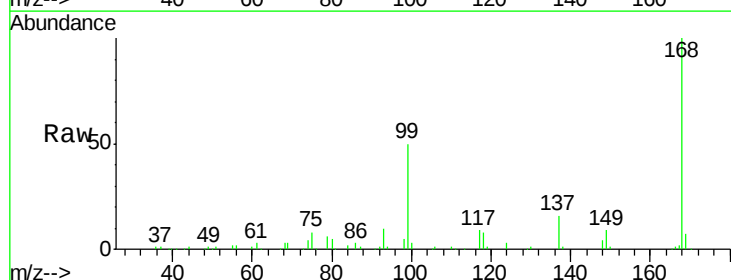
Tgt Ion: 117 Resp: 10747

Ion Ratio Lower Upper

117 100

119 7.5 77.4 116.2#

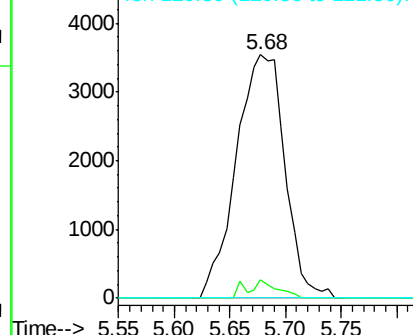
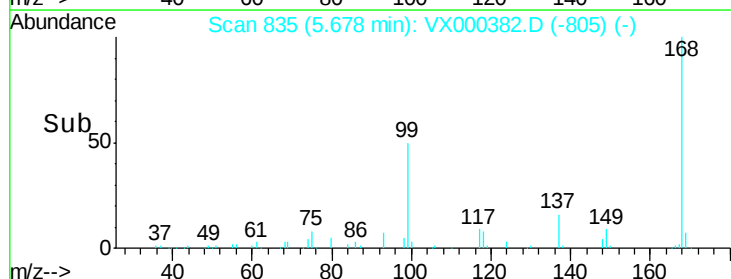
121 0.0 24.8 37.2#

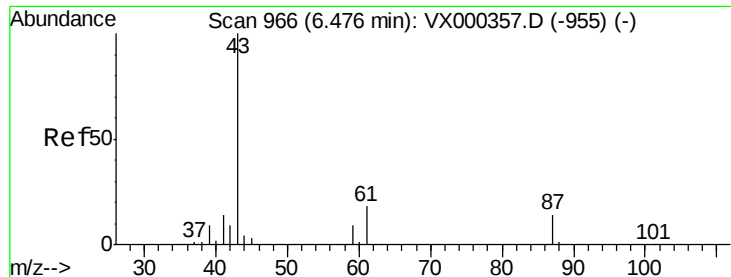


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.25 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

PIT-A-0-10

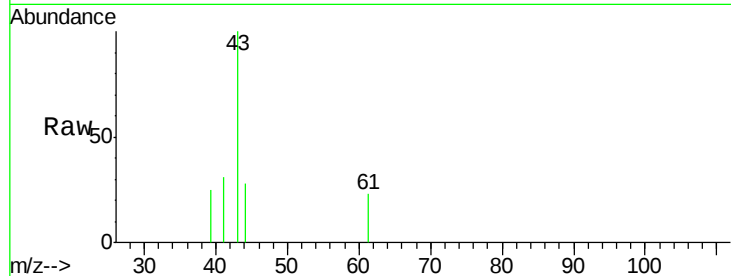
Tgt Ion: 43 Resp: 895

Ion Ratio Lower Upper

43 100

61 13.4 14.4 21.6#

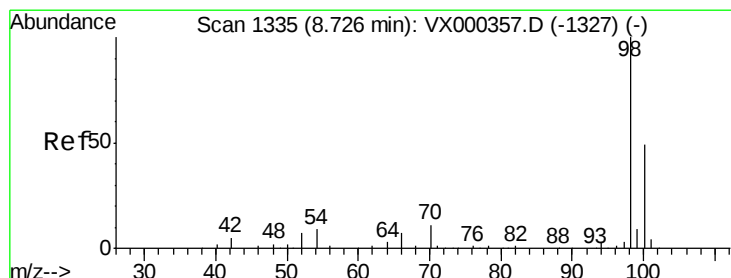
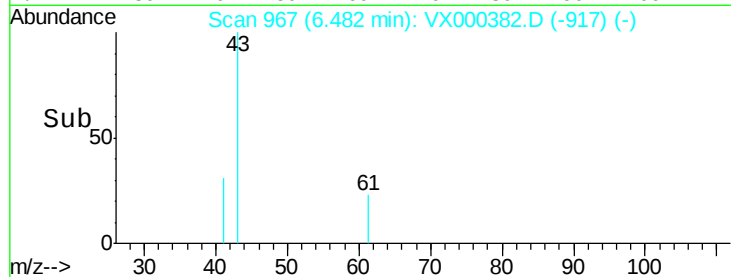
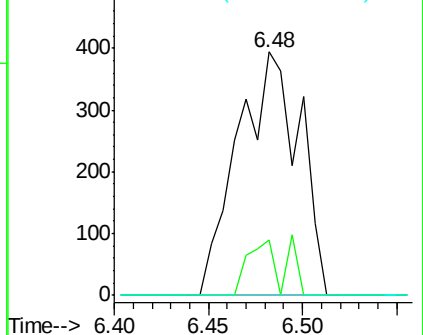
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 47.99 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000382.D

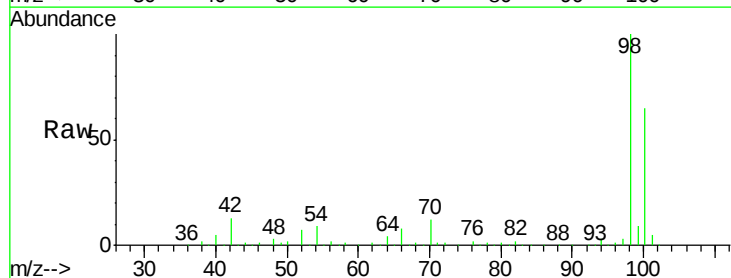
Acq: 21 Mar 2018 13:56

Tgt Ion: 98 Resp: 231979

Ion Ratio Lower Upper

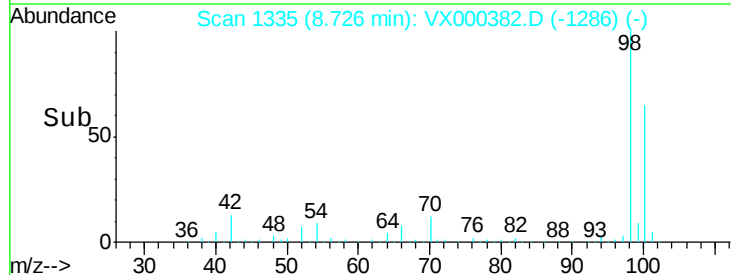
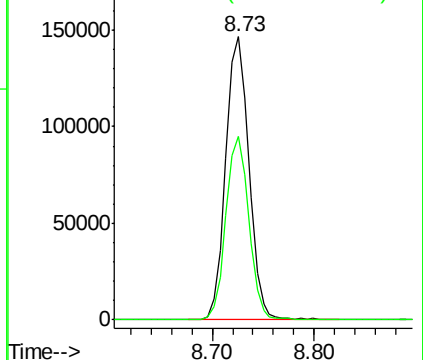
98 100

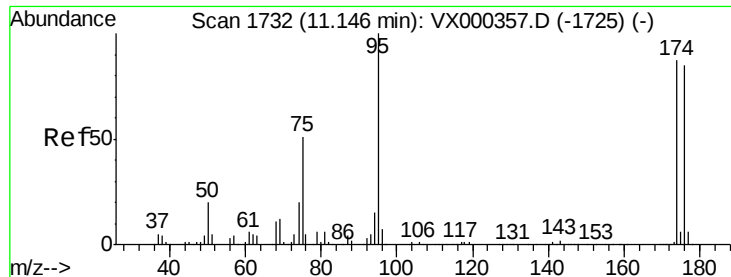
100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 39.63 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

PIT-A-0-10

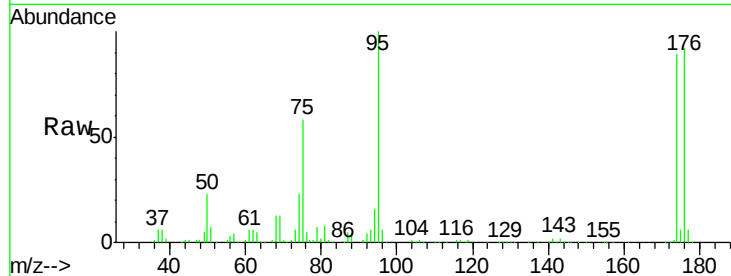
Tgt Ion: 95 Resp: 77968

Ion Ratio Lower Upper

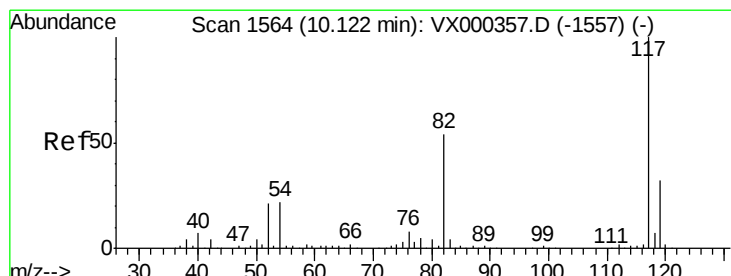
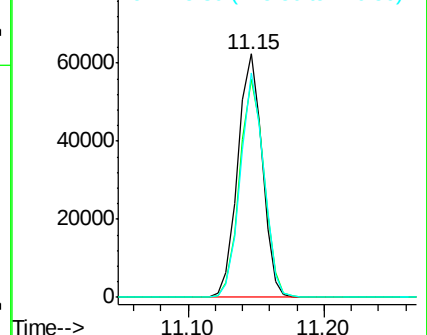
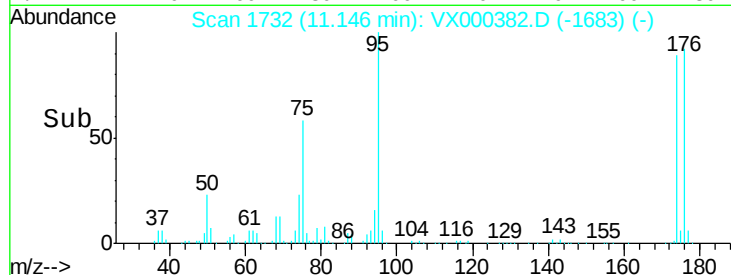
95 100

174 89.7 0.0 173.6

176 88.4 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000382.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

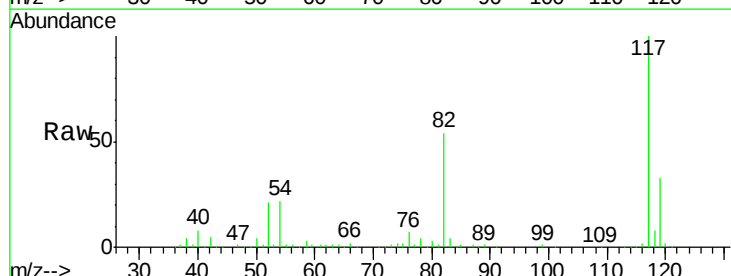
Tgt Ion: 117 Resp: 180406

Ion Ratio Lower Upper

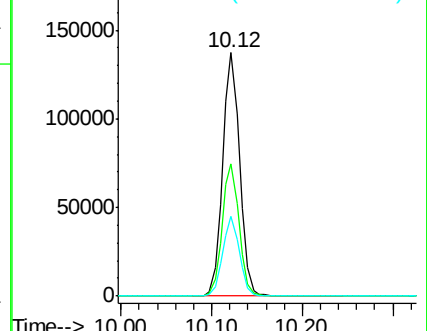
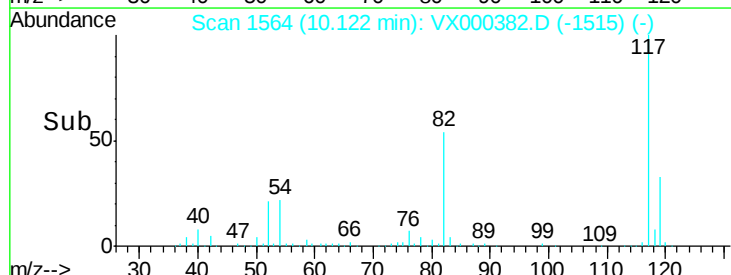
117 100

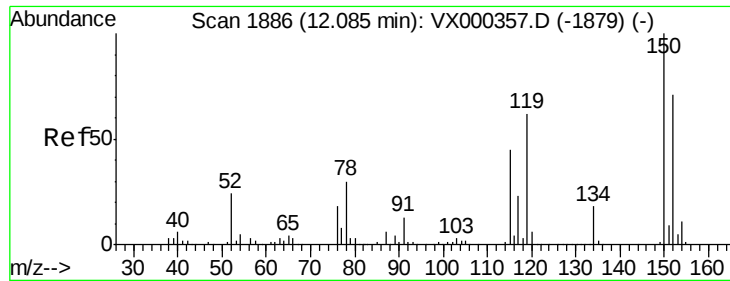
82 54.4 43.8 65.8

119 32.9 24.9 37.3



Abundance Ion 116.90 (116.60 to 117.60): VX000382.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampleId :

PIT-A-0-10

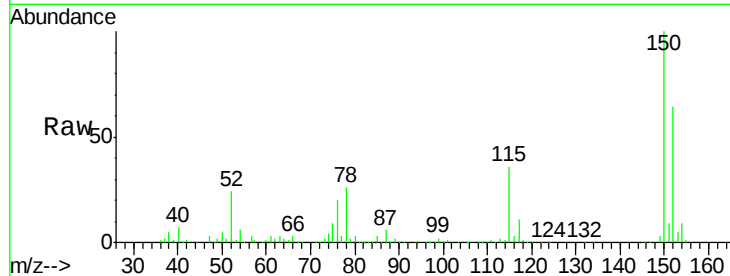
Tgt Ion:152 Resp: 87292

Ion Ratio Lower Upper

152 100

115 56.9 39.8 119.3

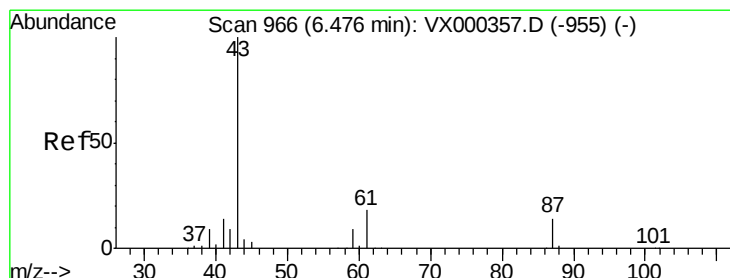
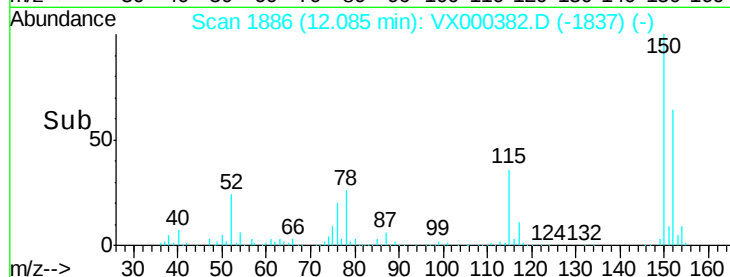
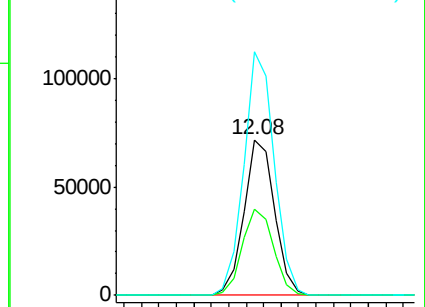
150 155.5 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Tgt Ion: 43 Resp: 895

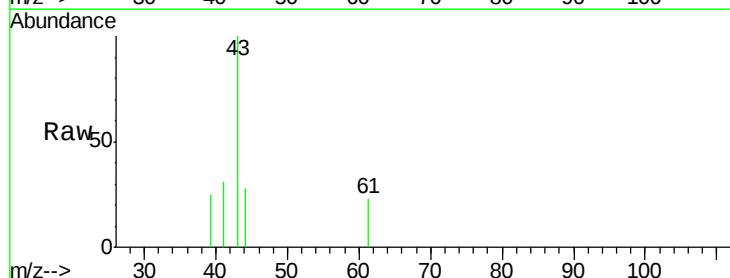
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 13.4 14.4 21.6#

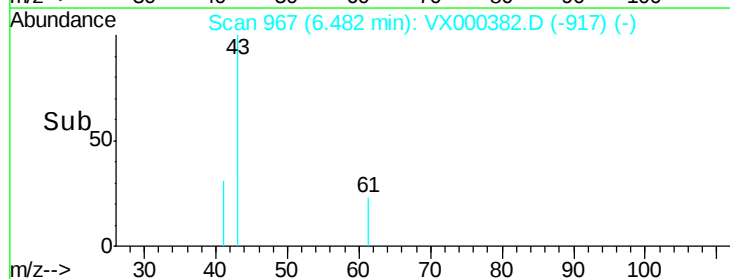
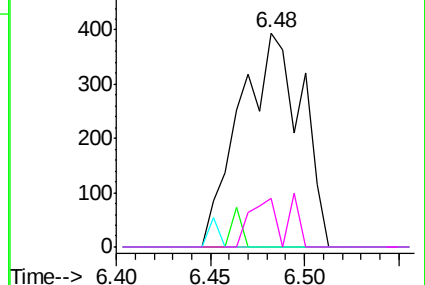


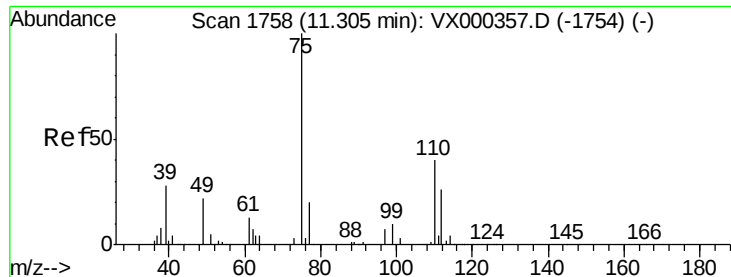
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 24.34 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000382.D

Acq: 21 Mar 2018 13:56

Instrument :

MSVOA_X

ClientSampled :

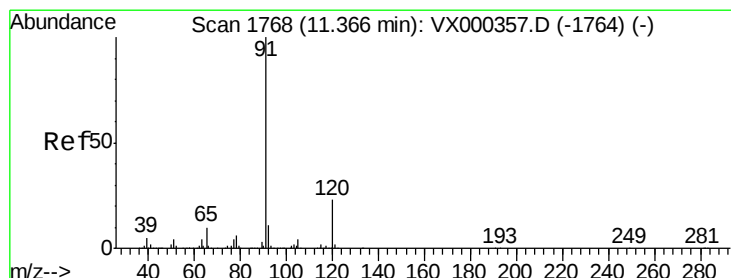
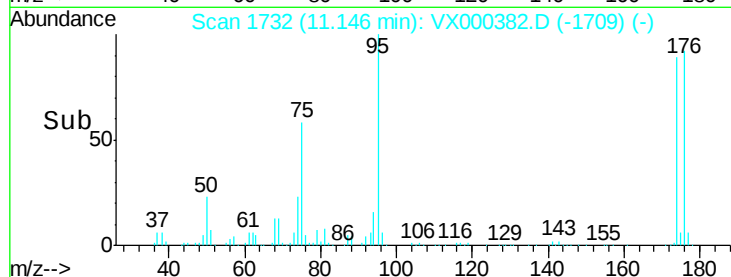
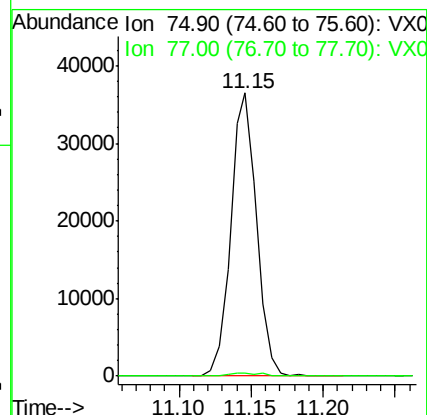
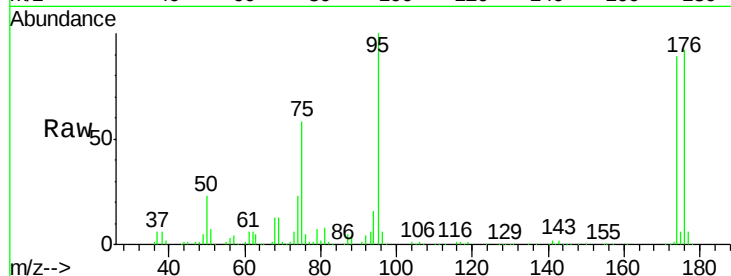
PIT-A-0-10

Tgt Ion: 75 Resp: 45662

Ion Ratio Lower Upper

75 100

77 1.3 21.4 64.2#



#78

n-propylbenzene

Concen: 0.31 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX000382.D

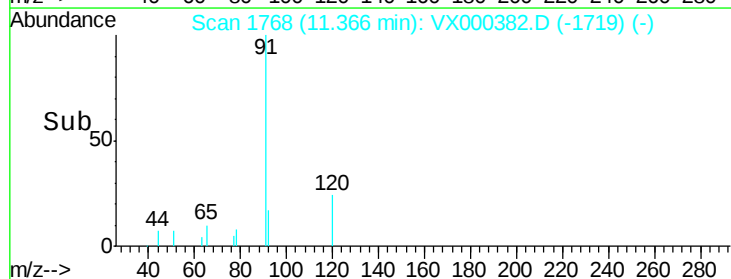
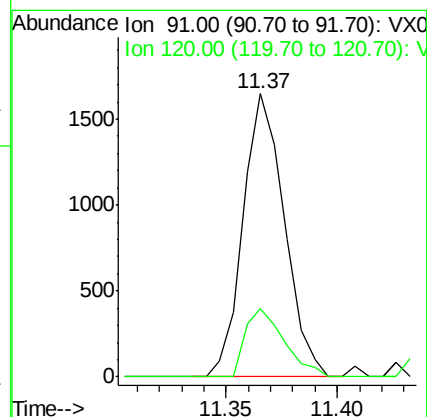
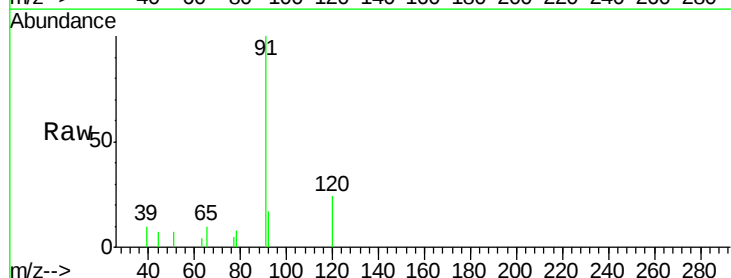
Acq: 21 Mar 2018 13:56

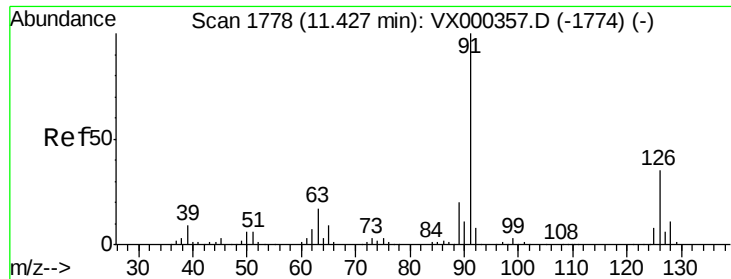
Tgt Ion: 91 Resp: 2133

Ion Ratio Lower Upper

91 100

120 22.7 11.8 35.3

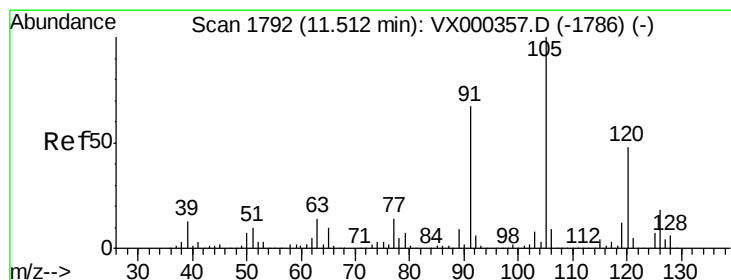
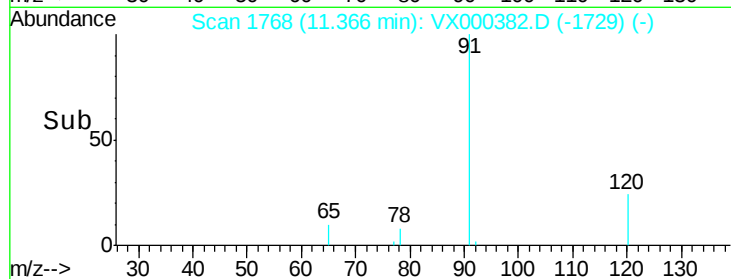
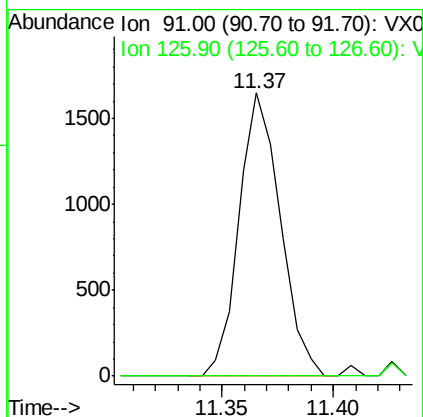
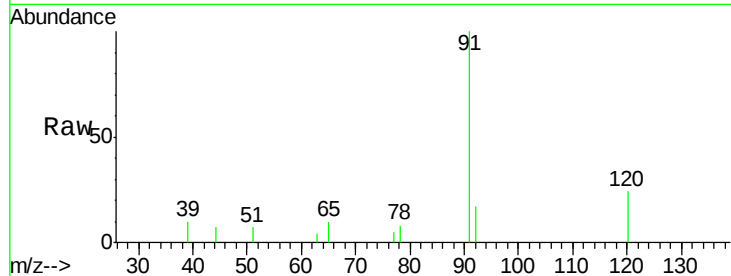




#79
 2-Chlorotoluene
 Concen: 0.54 ug/l
 RT: 11.37 min Scan# 1768
 Delta R.T. -0.06 min
 Lab File: VX000382.D
 Acq: 21 Mar 2018 13:56

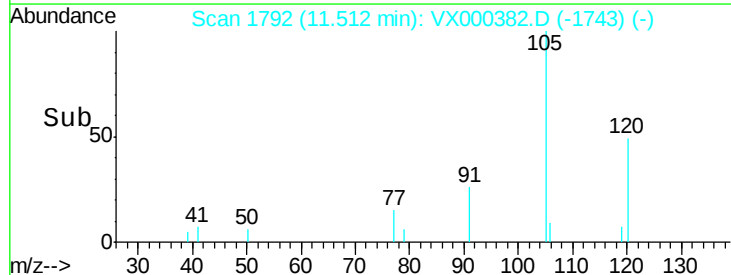
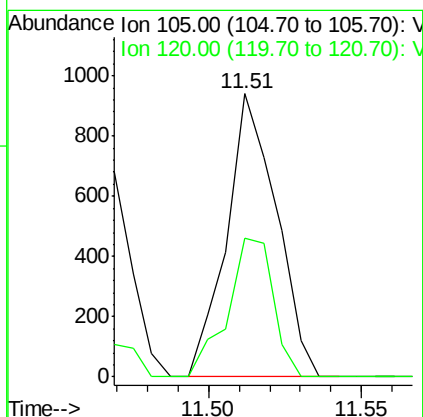
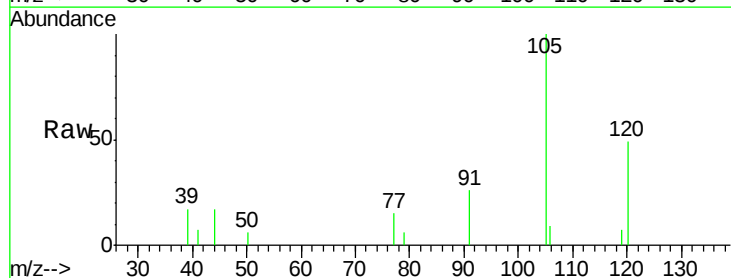
Instrument :
 MSVOA_X
 ClientSampleId :
 PIT-A-0-10

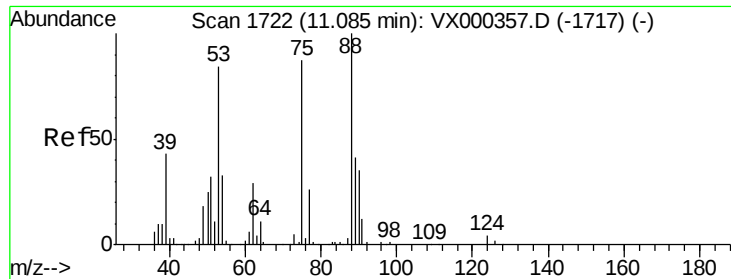
Tgt Ion: 91 Resp: 2133
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.7 53.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX000382.D
 Acq: 21 Mar 2018 13:56

Tgt Ion: 105 Resp: 1060
 Ion Ratio Lower Upper
 105 100
 120 45.0 24.1 72.4

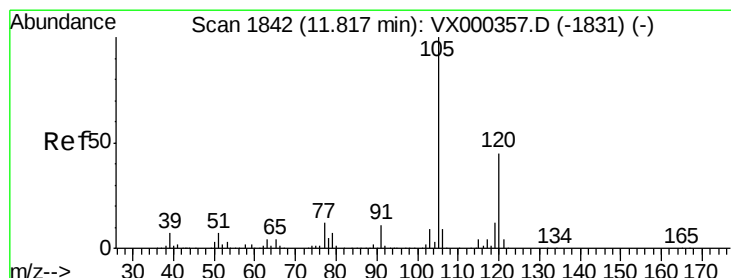
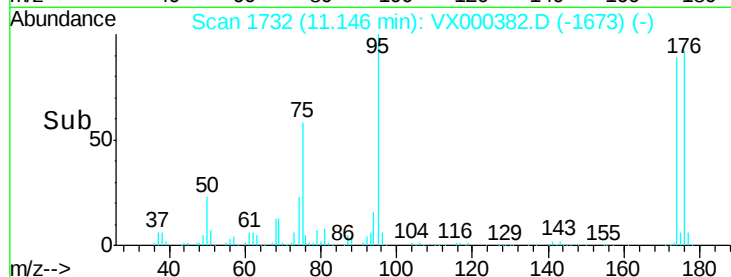
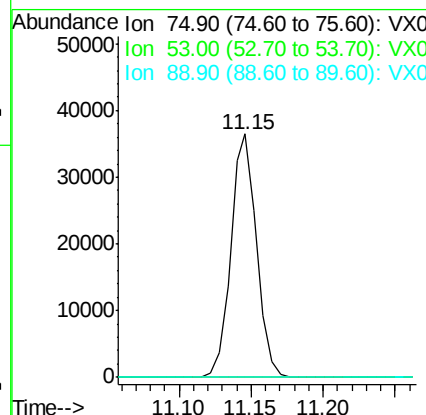
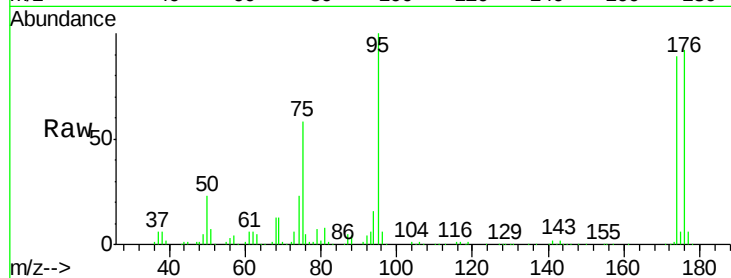




#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.80 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000382.D
 Acq: 21 Mar 2018 13:56

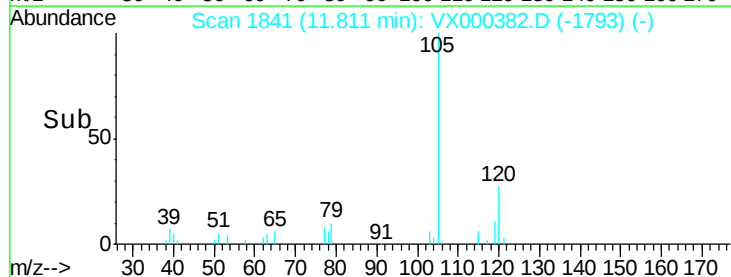
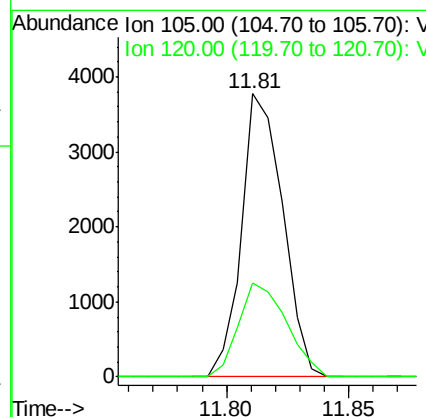
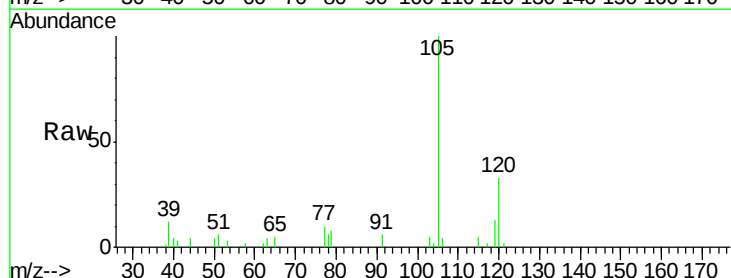
Instrument :
 MSVOA_X
 ClientSampleId :
 PIT-A-0-10

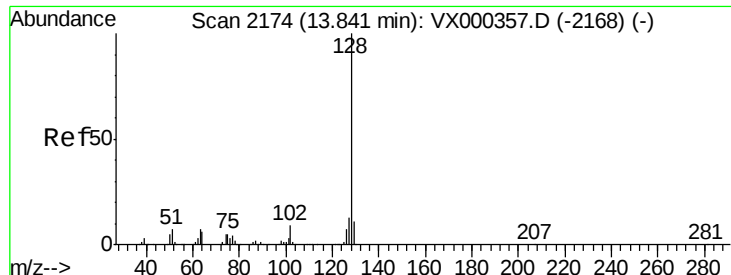
Tgt Ion: 75 Resp: 45662
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.87 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: VX000382.D
 Acq: 21 Mar 2018 13:56

Tgt Ion: 105 Resp: 4421
 Ion Ratio Lower Upper
 105 100
 120 39.0 22.4 67.3





#95
Naphthalene
Concen: 0.45 ug/l
RT: 13.85 min Scan# 2175
Delta R.T. 0.01 min
Lab File: VX000382.D
Acq: 21 Mar 2018 13:56

Instrument :
MSVOA_X
ClientSampleId :
PIT-A-0-10

Tgt Ion:128 Resp: 3218
Ion Ratio Lower Upper
128 100
127 14.1 10.6 15.8
129 10.8 8.9 13.3

